

Wednesday, November 20, 2013 - 1:00 pm - 5:00 pm

**W01: Water Treatment 101\***

Instructor: Dennis McBride, Fluor Enterprises, Greenville, SC

**W02: Industrial Boiler Water (up to 1800 PSIG/ 120 Bar)**

Instructor: James Robinson, GE Betz, Trevose, PA

**W03: Introduction to Cooling Tower Water Systems and How to Develop a Cooling Tower Water Treatment Program**

Instructor: Paul Puckorius, Puckorius & Associates, Inc., Arvada, CO

**W04: Treatment of Water for Steam Generation in SAGD Enhanced Oil Recovery Plants**

Instructor: Steven R. Gagnon, AVANTech, Inc., Columbia, SC

**W05: Thermal Zero Liquid Discharge**

Instructor: J. Michael Marlett, P.E., P.Eng, Aquatech International Corp., Hartland, WI

**W06: Treating Produce Water with Ion Exchange Technologies**

Instructor: Guy Mommaerts, Ion Exchange Services Inc., Elimira, ON Canada

Thursday, November 21, 2013 - 8:00 am - 12:00 noon

**W07: Water Treatment 201**

Instructor: Kumar Sinha, Frederick, MD

**W08: HRSG and High Pressure (>900 PSIG/ 60 Bar) Boiler Water Treatment Operation**

Instructor: David Daniels, Mechanical & Materials Engineering, Austin, TX

**W09: Cooling Water Treatment Programs and Guidelines When Switching from Fresh to Reuse Water Makeup**

Instructor: Paul Puckorius, Puckorius & Associates, LLC, Arvada, CO

**W10: Water and Wastewater Treatment for Natural Gas Development**

Instructor: John Schubert, P.E., HDR Engineering, Sarasota, FL

**W11: Fundamentals of Evaporative Water Treatment for Steam Generating**

Instructor: Greg Mandigo, Aquatech International Corp., Hartland, WI

**W12: Reverse Osmosis - Back to the Basics, Design and Operation\***

Instructor: Jane Kucera, Nalco Company, Naperville, IL

**W13: Advanced Ion Exchange**

Instructor: Peter Meyers, ResinTech, Inc., West Berlin, NJ